

Figure 1a

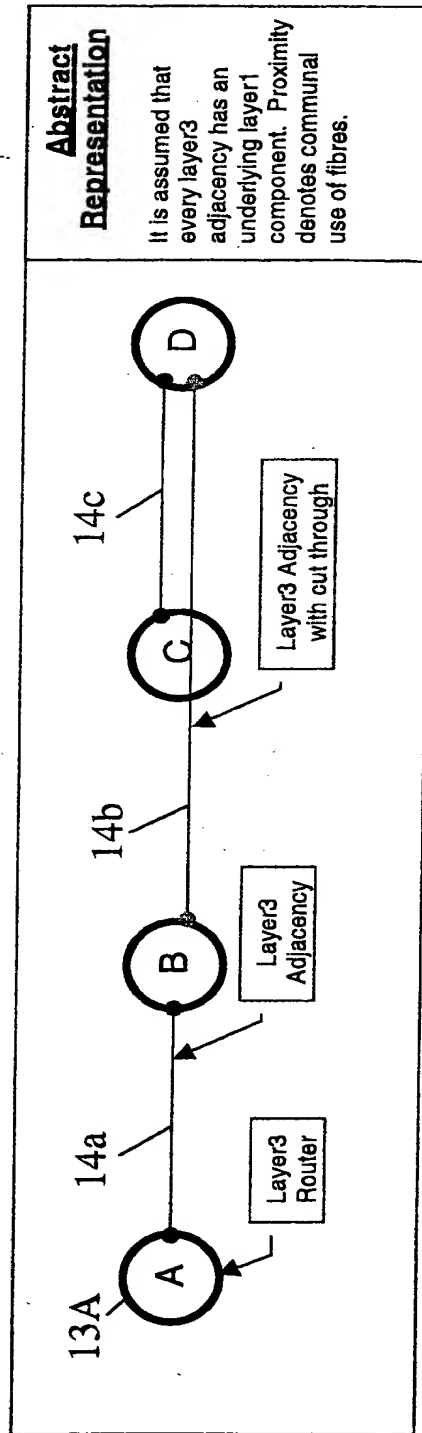
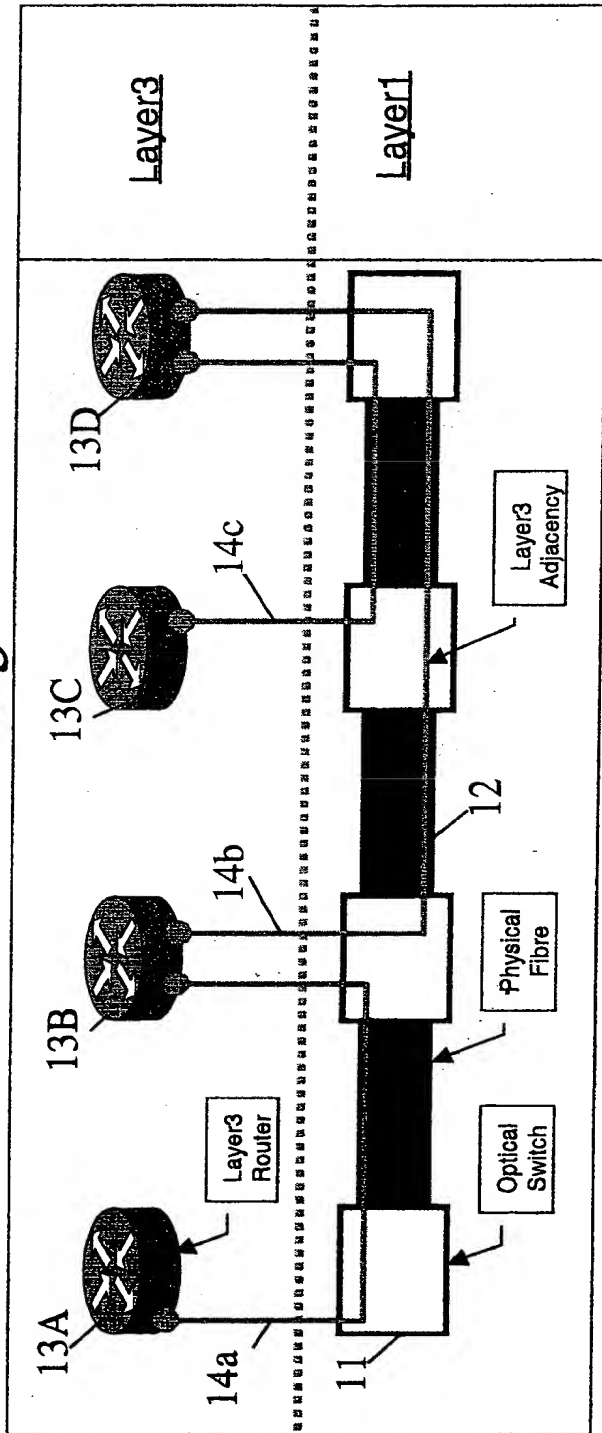


Figure 1b

Shortest Path

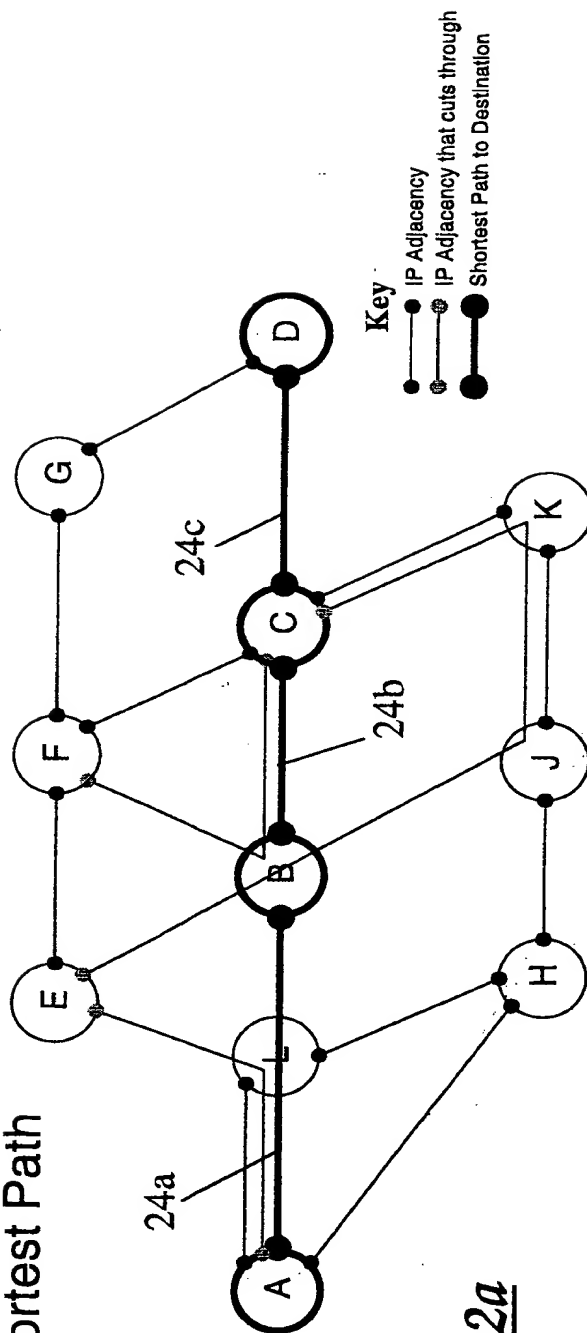


Figure 2a

	Shortest Path	Protection Path	Adjacencies Broken	
Protection level 7	A B C D	A E C	A-B	
Protection level 6	A B C D	A E C	A-B B-C	
Protection level 5	A B C D	A E F C	A-B B-C C-F C-E	
Protection level 4	A B C D	A H J K C	A-B A-E A-L	
Protection level 3	A B C D	A H J K C	A-B A-E A-L B-C C-F C-E	
Protection level 2	A B C D	A E C	A-B A-L B-C C-F C-E H-L	
Protection level 1	A B C D	A H J K C	A-B A-E A-L B-C C-F C-E H-L	

Figure 2b

Layer 3 element of network

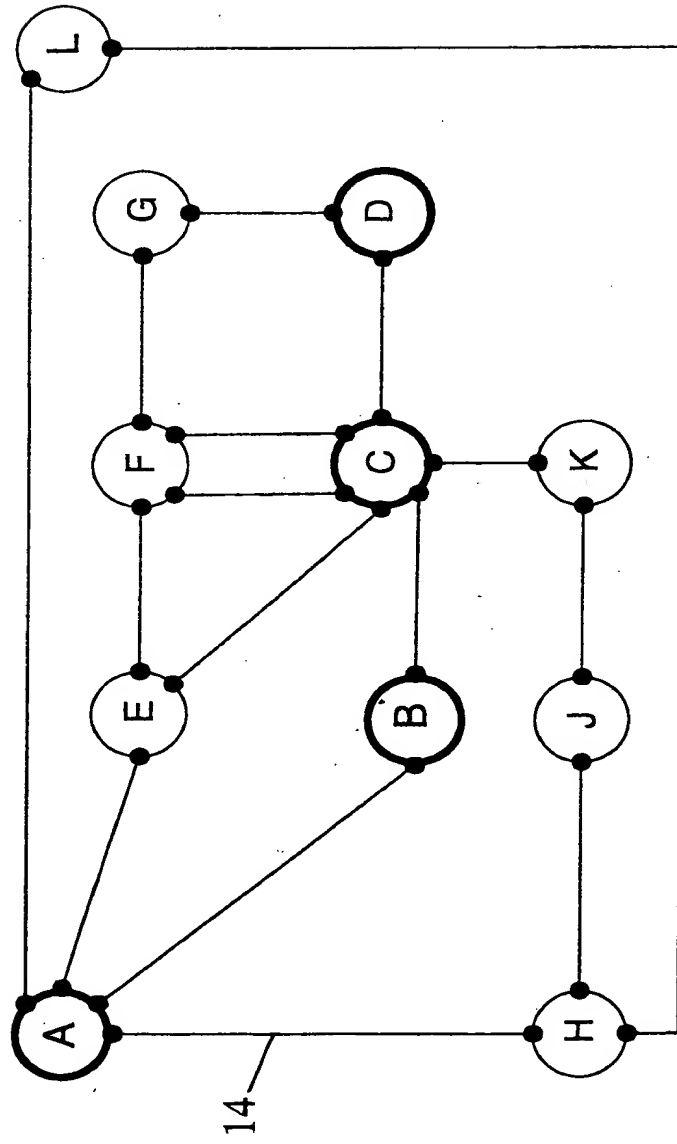


Figure 3a

Layer 1 element of network

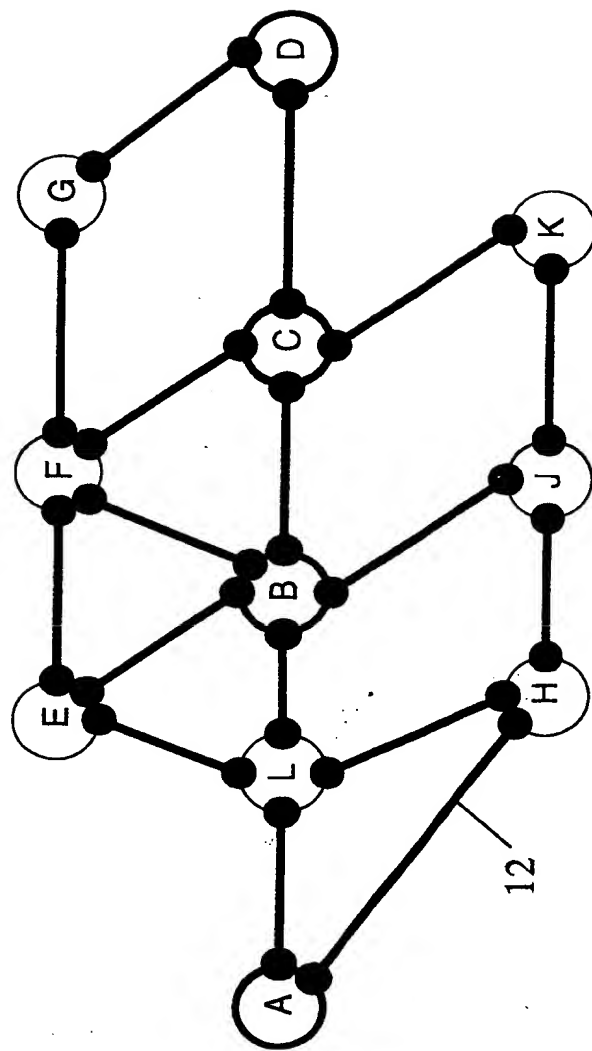


Figure 3b

Combined network diagram

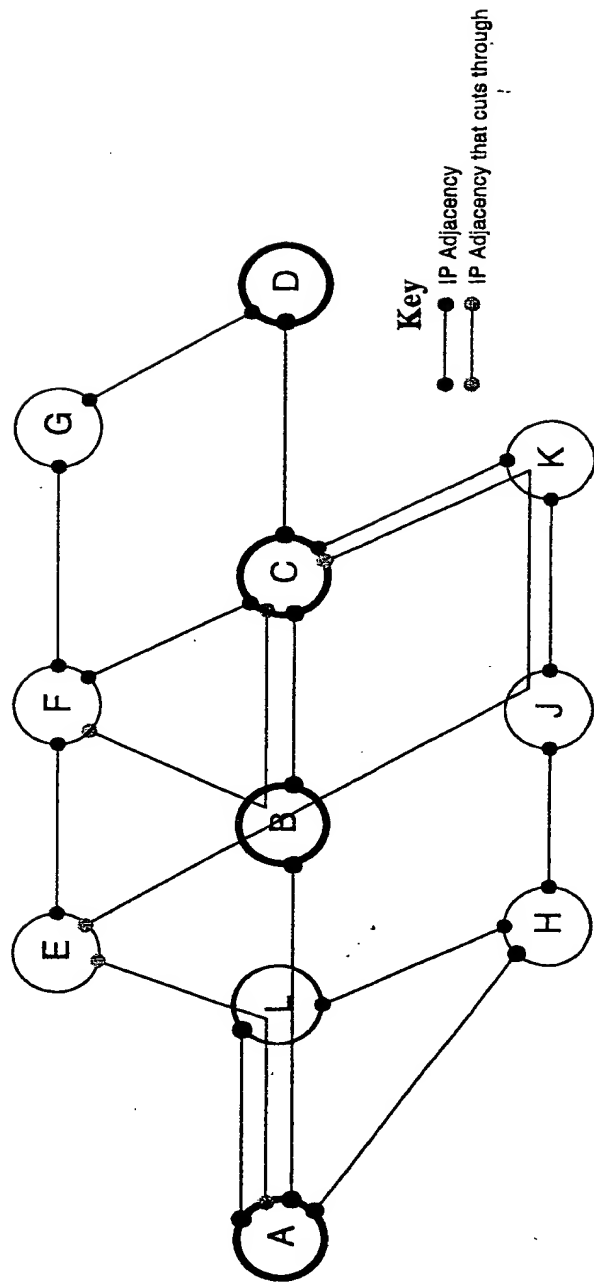


Figure 3c

Level 1=switch protection

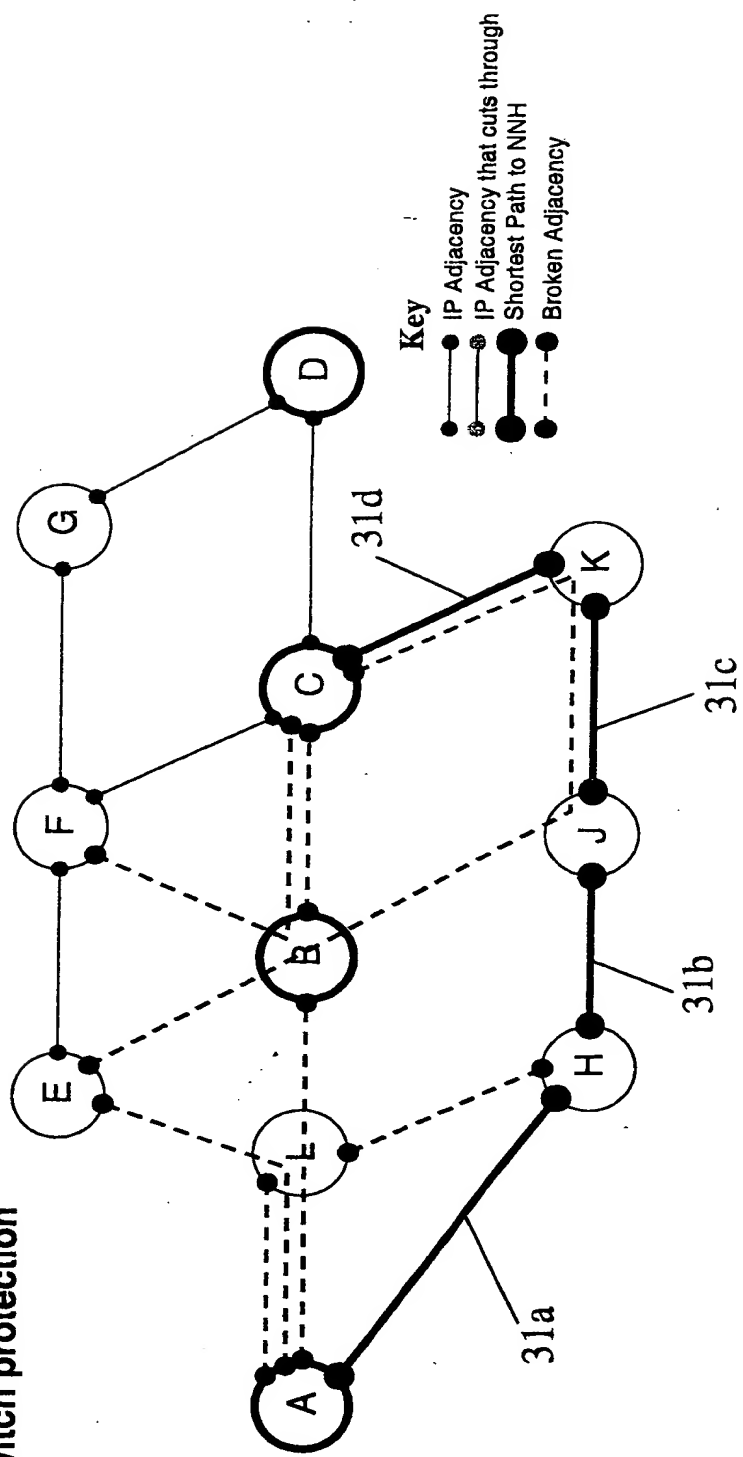


Figure 4

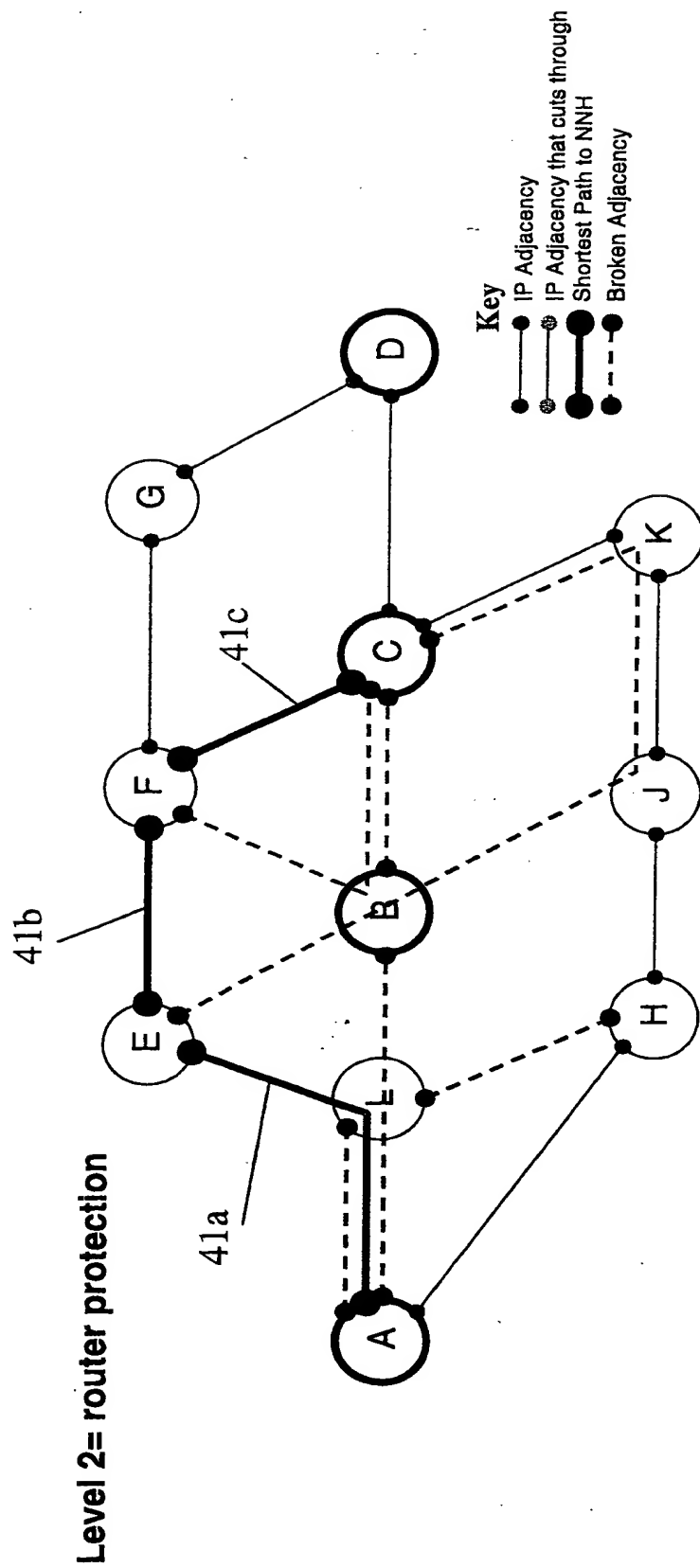


Figure 5

Level 3=fibre protection

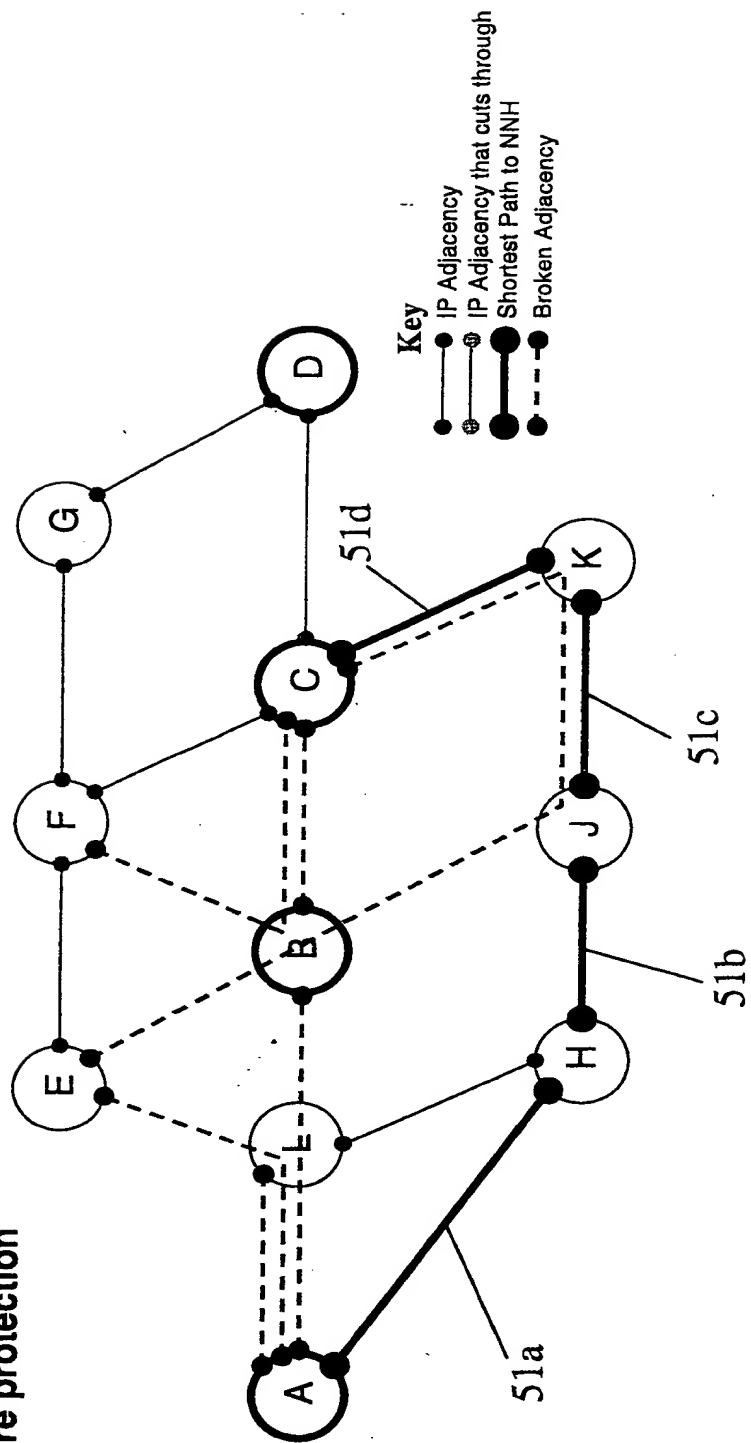


Figure 6

Lev 1 4=fibre protection

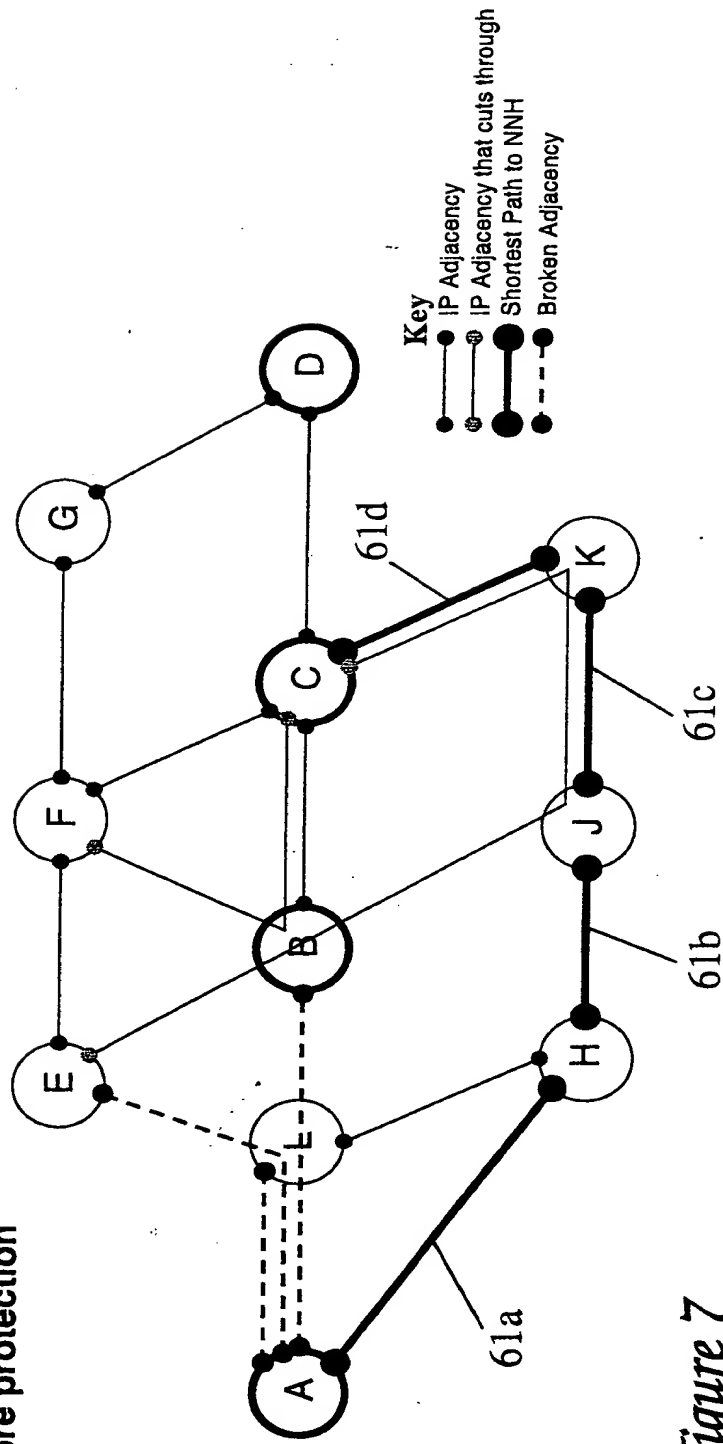


Figure 7

Level 6= next hop
protection (layer3)

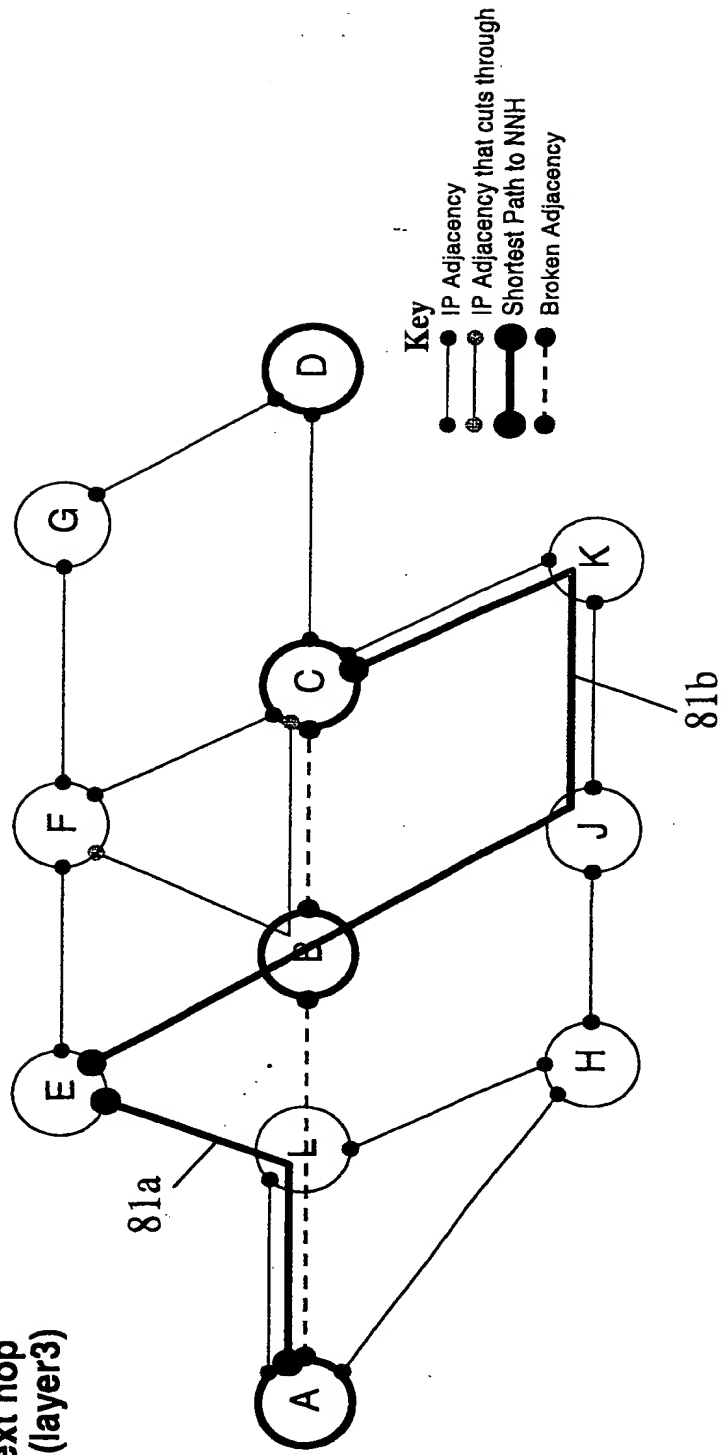


Figure 9

Level 7=next hop
adjacency protection

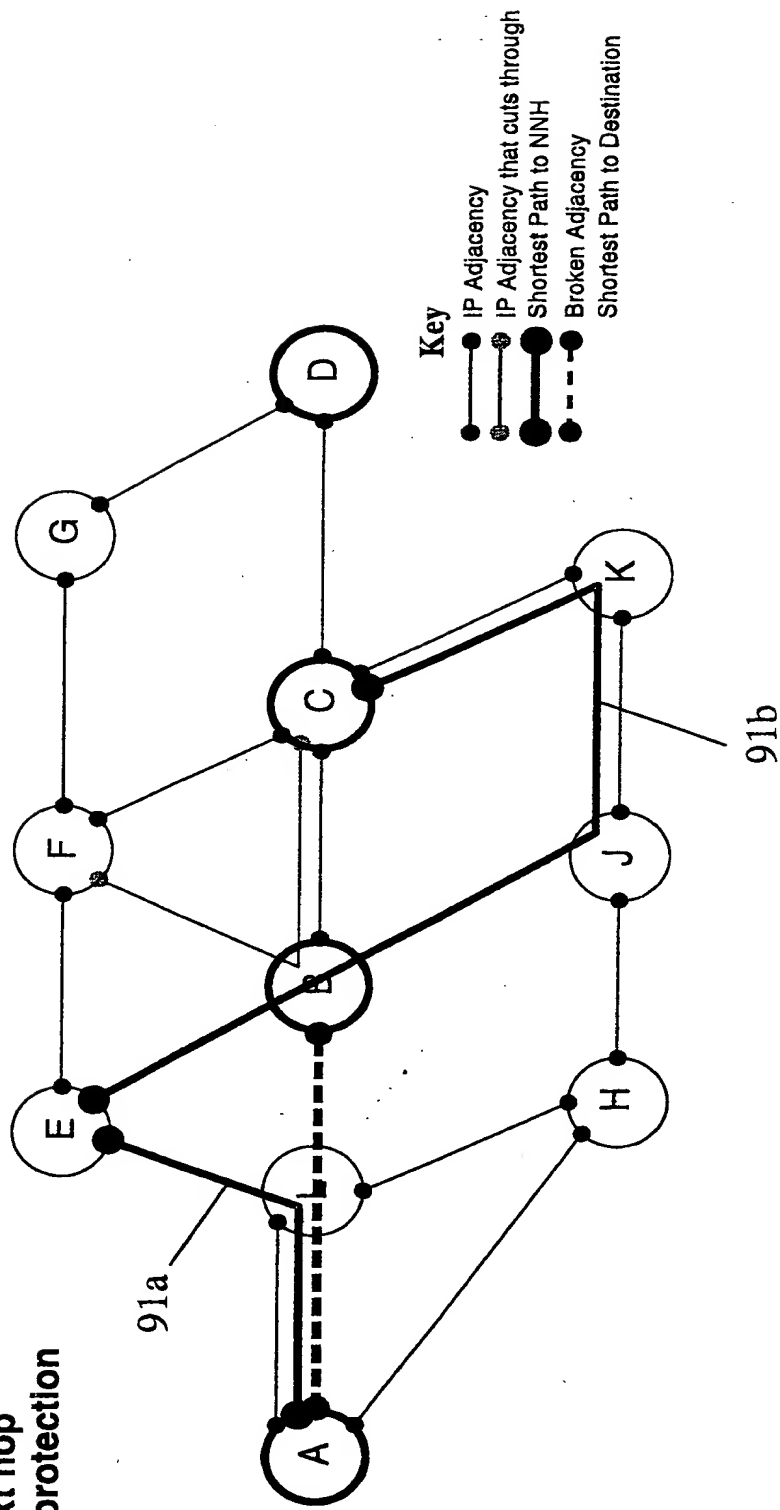


Figure 10

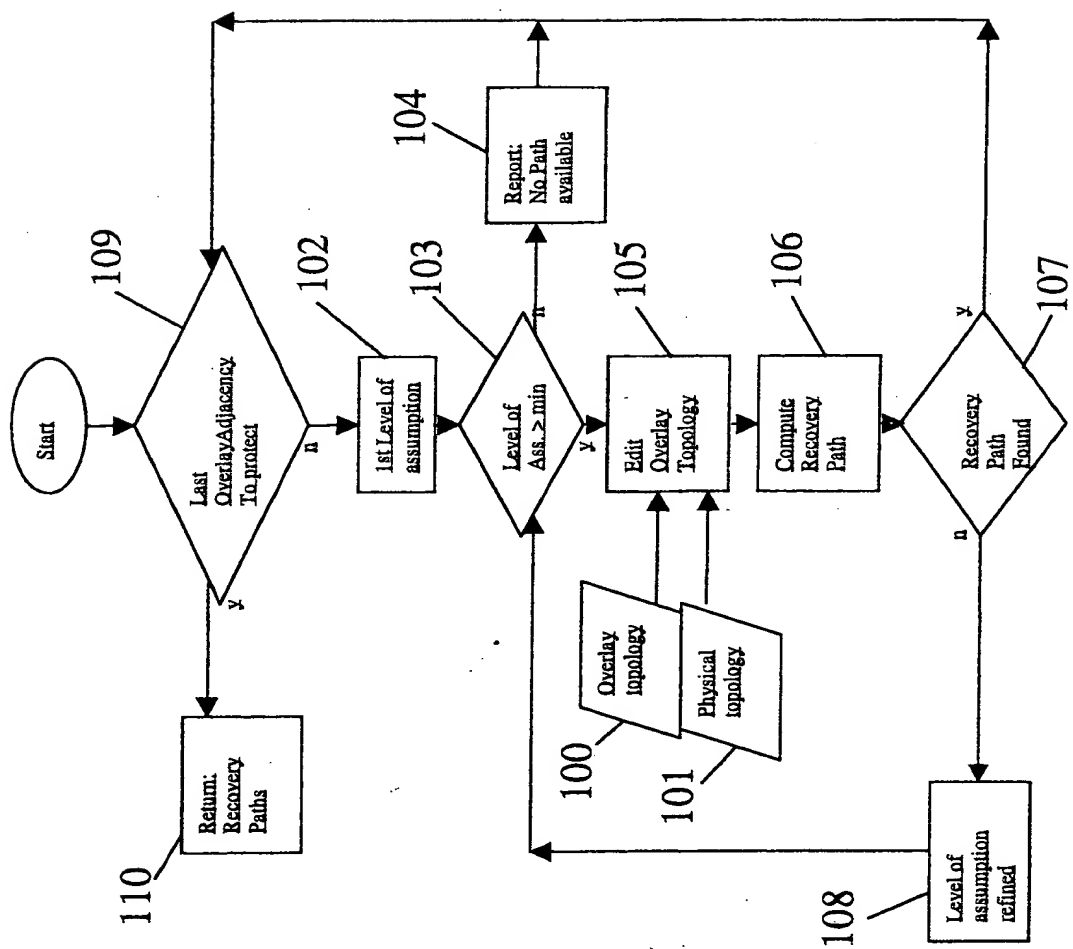


Figure 11